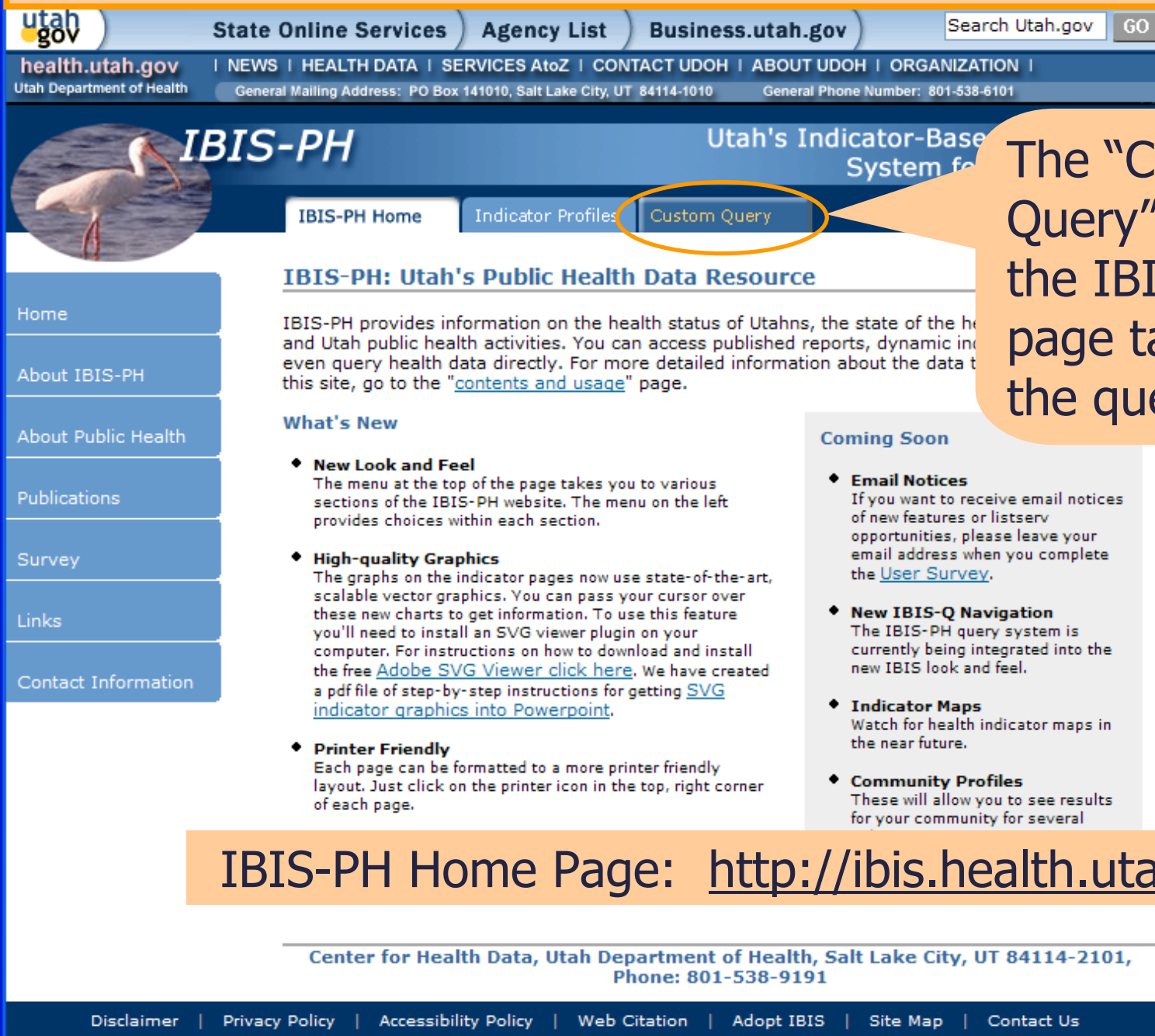


IBIS-Q Tutorial: General Query Overview



The screenshot shows the IBIS-PH website home page. At the top, there is a navigation bar with links for "State Online Services", "Agency List", and "Business.utah.gov", along with a search bar. Below this is a header for "health.utah.gov" with links for "NEWS", "HEALTH DATA", "SERVICES AtoZ", "CONTACT UDOH", "ABOUT UDOH", and "ORGANIZATION". The main content area features a large blue banner with the text "IBIS-PH" and "Utah's Indicator-Based System for Public Health". Below the banner, there are three buttons: "IBIS-PH Home", "Indicator Profiles", and "Custom Query". The "Custom Query" button is highlighted with an orange circle and an orange callout bubble. The callout bubble contains the text: "The 'Custom Query' button on the IBIS-PH home page takes you to the query system." The left sidebar contains a vertical menu with links for "Home", "About IBIS-PH", "About Public Health", "Publications", "Survey", "Links", and "Contact Information". The main content area includes a section titled "IBIS-PH: Utah's Public Health Data Resource" with a paragraph describing the system. Below this is a "What's New" section with three bullet points: "New Look and Feel", "High-quality Graphics", and "Printer Friendly". To the right of the "What's New" section is a "Coming Soon" section with four bullet points: "Email Notices", "New IBIS-Q Navigation", "Indicator Maps", and "Community Profiles". At the bottom of the page, there is a footer with the text "Center for Health Data, Utah Department of Health, Salt Lake City, UT 84114-2101, Phone: 801-538-9191" and a row of links: "Disclaimer", "Privacy Policy", "Accessibility Policy", "Web Citation", "Adopt IBIS", "Site Map", and "Contact Us".

utah.gov | State Online Services | Agency List | Business.utah.gov | Search Utah.gov GO

health.utah.gov | NEWS | HEALTH DATA | SERVICES AtoZ | CONTACT UDOH | ABOUT UDOH | ORGANIZATION |

Utah Department of Health | General Mailing Address: PO Box 141010, Salt Lake City, UT 84114-1010 | General Phone Number: 801-538-6101

IBIS-PH Utah's Indicator-Based System for Public Health

IBIS-PH Home | Indicator Profiles | **Custom Query**

IBIS-PH: Utah's Public Health Data Resource

IBIS-PH provides information on the health status of Utahns, the state of the health care system, and Utah public health activities. You can access published reports, dynamic indicators, and even query health data directly. For more detailed information about the data on this site, go to the ["contents and usage"](#) page.

What's New

- ◆ **New Look and Feel**
The menu at the top of the page takes you to various sections of the IBIS-PH website. The menu on the left provides choices within each section.
- ◆ **High-quality Graphics**
The graphs on the indicator pages now use state-of-the-art, scalable vector graphics. You can pass your cursor over these new charts to get information. To use this feature you'll need to install an SVG viewer plugin on your computer. For instructions on how to download and install the free [Adobe SVG Viewer click here](#). We have created a pdf file of step-by-step instructions for getting [SVG indicator graphics into Powerpoint](#).
- ◆ **Printer Friendly**
Each page can be formatted to a more printer friendly layout. Just click on the printer icon in the top, right corner of each page.

Coming Soon

- ◆ **Email Notices**
If you want to receive email notices of new features or listserv opportunities, please leave your email address when you complete the [User Survey](#).
- ◆ **New IBIS-Q Navigation**
The IBIS-PH query system is currently being integrated into the new IBIS look and feel.
- ◆ **Indicator Maps**
Watch for health indicator maps in the near future.
- ◆ **Community Profiles**
These will allow you to see results for your community for several

IBIS-PH Home Page: <http://ibis.health.utah.gov>

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The "Custom Query" button on the IBIS-PH home page takes you to the query system.

IBIS-PH Custom Query Main Page - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

utah.gov State Online Services Agency List Business.utah.gov Search Utah.gov GO

health.utah.gov | NEWS | HEALTH DATA | SERVICES AtoZ | CONTACT UDOH | ABOUT UDOH | ORGANIZATION |
Utah Department of Health General Mailing Address: PO Box 141010, Salt Lake City, UT 84114-1010 General Phone Number: 801-538-6101

IBIS-PH

Utah's Indicator-Based Information System for Public Health

IBIS-PH Home Indicator Profiles Custom Query

Format this page for printing

IBIS-PH Custom Query Main Page

NOTICE: You are using the IBIS-Q TEST SITE. This site may be used for system software applications. The IBIS production site is available to you.

Welcome
Welcome to the IBIS-Q TEST SITE. The information on this site is for testing purposes only. It is not to be used to plan and improve service delivery, evaluate health care, or for any other purpose. Other uses are not permissible.

Getting Started
Select a data set from the menu buttons on the left-hand side of the screen. Each query module will take you through a series of steps. When you are done forming your query, click "Submit Query".

User Help
Use the HELP button at the left for a menu of instructions. The query modules also provide information necessary to complete the query.

Population Estimates
Birth & Infant Death
Mortality
Hospital & Emergency Department
Health Surveys
Cancer Registry
Injury
Help

Birth Data
Infant Mortality

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•Select your desired type of data from the buttons on the left-hand side of the screen.

•In this example, we have selected Birth Data.

IBIS-PH Utah's Birth Query Module Set Selection - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address http://localhost/Query?request=SHOW_SELECTION&name=birth/BirthSelection#selector1.4 Go

Path: IBIS-PH > Custom Query > Birth & Infant Death > Birth Data

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Birth & Infant Death

Mortality

Hospital & Emergency Department

Health Surveys

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Query Module Overview

Overview

Use the hierarchical folder tree to navigate to the query folder contents, click on the folder icon. Clicking on the contents. When you click on the text link, it will take you to the explanation on the modules, click on the "Help" button.

Quick Selection

Select from this list to query births from 1989 and later by county and health district. For small areas and race parameters, use Advanced Selection below.

-  [Count, Birth and Fertility Rates](#) 
-  [Adolescent Births](#)
-  [Prenatal Care](#)
-  [Infant Birth Weight](#) 
 -  [Percentage of Normal Birth Weight Infants](#)
 -  [Percentage of Low Birth Weight Infants \(<2500g\)](#)
 -  [Percentage of Very Low Birth Weight Infants \(<1500g\)](#)
 -  [Percentage of Extremely Low Birth Weight Infants \(<1000g\)](#)
 -  [Percentage of Extremely Low Birth Weight Infants \(<1000g\)](#)
 -  [Average Birth Weight of Infants](#)
-  [Pre-term Births](#)
-  [Interpregnancy Interval](#)

Advanced Selection

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Common query-builder options are listed in the "Quick Selection" area.

All available query-builder options are accessible under the "Advanced Selection" area.

IBIS-PH Utah's Birth Query Module Set Selection - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address http://localhost/Query?request=SHOW_SELECTION&name=birth/BirthSelection#selector1.4 Go

Path: IBIS-PH > Custom Query > Birth & Infant Death > Birth Data

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Query Module Overview

Overview

Use the hierarchical folder tree to navigate to the query module that will meet your needs. To see folder contents, click on the folder icon. Clicking on the folder again will hide the menu folder contents. When you click on the text link, it will take you to the query module. For further

[JavaScript Application]

 Normal Birth Weight: Live-born infants whose birth weight was equal to or greater than 2500 grams (about 5.5 lbs.)

Low Birth Weight: Live-born infants whose birth weight was less than 2500 grams (about 5.5 lbs.)

Very Low Birth Weight: Live-born infants whose birth weight was less than 1500 grams (about 3.3 lbs.)

Extremely Low Birth Weight: Live-born infants whose birth weight was less than 1000 grams (about 2.2 lbs.)

Extremely Low Birth Weight: Live-born infants whose birth weight was less than 500 grams (about 1.1 lbs.)

OK

district. For

Help

Help

[Percentage of Extremely Low Birth Weight Infants](#)

[Percentage of Extremely Low Birth Weight Infants](#)

[Average Birth Weight of Infants](#)

[Pre-term Births](#)

[Interpregnancy Interval](#)

Advanced Selection

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Context-specific help buttons provide relevant information to guide you through the process.

IBIS-PH Utah's Birth Query Module Set Selection - Microsoft Internet Explorer

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Address http://localhost/Query?request=SHOW_SELECTION&name=birth/BirthSelection#section2

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Quick Selection

Select from this list to query births from 1989 and later by county, small areas and race parameters, use Advanced Selection below

- [Count, Birth and Fertility Rates](#)
- [Adolescent Births](#)
- [Prenatal Care](#)
- [Infant Birth Weight](#)
 - [Percentage of Normal Birth Weight Infants](#)
 - [Percentage of Low Birth Weight Infants \(<2500 grams\)](#)
 - [Percentage of Very Low Birth Weight Infants \(<1500 grams\)](#)
 - [Percentage of Extremely Low Birth Weight Infants \(<1000 grams\)](#)
 - [Percentage of Extremely Low Birth Weight Infants \(<500 grams\)](#)
 - [Average Birth Weight of Infants](#)
- [Pre-term Births](#)
- [Interpregnancy Interval](#)

Advanced Selection

- [County and Local Health Districts, 1989-present](#)
- [Utah's 61 Small Areas, 1990-present](#)
- [County and Local Health District by Mother's Race and Medicaid Status, 1989-present](#)
- [Utah's 61 Small Areas by Mother's Race and Medicaid Status, 2002-present](#)

Help

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http://localhost/Query?request=SHOW_MODULE&name=birth/BrthBrthCnty&configuration=brthWgtLow

Local intranet

In this example, we have selected the Low Birth Weight measure (for counties and local health districts).

Note that this same measure could have been selected by drilling down under "Advanced Selection."

IBIS-PH: Utah's Public Health Data Resource - Mozilla Firefox


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health.utah.gov | NEWS | HEALTH DATA | SERVICES AtoZ | CONTACT UDOH | ABOUT UDOH | ORGANIZATION |

Utah Department of Health

General [JavaScript Application]

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Contact Information

You must agree to the "Appropriate Data Use Agreement" –

1. You will not attempt to identify individuals represented in the data, and
2. If you inadvertently identify someone, you will inform the UDOH.

Utah Department of Health's Custom Query Data Access Agreement

The purpose of the interactive Public Health Data System is to support the information needs of such as local health districts, educators, and others evaluating health care systems. The data in these databases may be used for statistical reporting and to determine the identity of individuals. The data is not to be used for statistical reporting and access to data provided by the Center for Health Data.

- Use of these data shall be for statistical reporting only.
- No attempt shall be made to learn the identity of individuals.
- No disclosure shall be made or other use of the data.
- If an identity of a person is discovered through the data, it shall be reported to the UDOH IMMEDIATELY.

I understand that failure to adhere to the terms of this agreement will result in the loss of access to OPHD internet databases, and I agree not to publish or publication of health data contrary to the terms of this agreement. Subsequent violations being class A misdemeanor under Utah Code, Title 26, Chapter 23, may be grounds for immediate dismissal.

Press the [OK] button if you accept the stated conditions of use.

OK Cancel

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IBIS-PH Birth Query Module for County and Local Health District, 1989 to present - Microsoft Internet Explorer

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Address http://localhost/Query?request=SHOW_MODULE&name=birth/BrthBrthCnty&configuration=brthWgtLow#stepOptions Go

IBIS-PH

Utah's Indicator-Based Information System for Public Health

IBIS-PH Home Indicator Profiles Custom Query

Format this page for printing

Birth Query Module for County and Local Health District, 1989 to present

Path: IBIS-PH > Custom Query > Birth & Infant Death > Birth Data > County and Local Health District, 1989 to present > Infant Birth Weight > Percentage of Low Birth Weight Infants (<2500 grams)

Step: 1. | 2. | 3. | 4. | 5. | 6. | 7. | Finish Overview Options

User Options / Preferences

What to show on entry:

- ☒ Show only the Overview section
- ☐ Show everything upon entering the page
- ☐ Show the first step.

Step/Selection Hiding Options:

- ☐ Auto hide step when moving off to another step
- ☒ Show only questions which have answers selected
- ☐ Show all questions and answers visited.

☐ Auto advance to next step.

☐ Automatically submit query from the Query Confirmation screen

☐ Save these option settings as your future preferences

Step 1: Select year (default = most recent year)

Step 2: Select mother characteristics (default = all characteristics)

Step 3: Select infant characteristics (default = all characteristics)

http://localhost/Query?request=SHOW_MODULE&name=birth/BrthBrthCnty&configuration=brthWgtLow#stepOptions Local intranet

Options include:

- What to show on entry,
- Whether you want to leave all steps expanded or contracted, and
- Whether you want to auto-submit the query.

IBIS-PH Birth Query Module for County and Local Health District, 1989 to present - Microsoft Internet Explorer

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Step 1: Select year (default = most recent year)
Select the years you would like to include in your analysis.
☒ Single years
☐ All years
☒ Select from list of single years
1999
2000
2001
2002
2003
☐ 3-year groups
☐ 5-Year Groups
☐ Enter custom year groups

Step 2: Select mother characteristics (default = all characteristics)
Step 3: Select infant characteristics (default = all characteristics)
Step 4: Select health care system characteristics (default = all characteristics)
Step 5: Select resident or occurrent birth (default = all residents)
Step 6: Select mother's geographic area (default = all locations)
Step 7: Select how to display the results
Finish: Submit the defined query

Submit Reset

http://localhost/Query?request=SHOW_MODULE&name=birth/BrthBrthCnty&configuration=brthWgtLow#step7 Local intranet

- Users build their query by clicking on steps and making selections.
- Default values for that step are listed on the blue bar, and pre-selected within the step.
- At each step, you can select how you want to group values (e.g., "3-year Groups"), and whether you want to filter the data to certain values (e.g., "2003")
- The last step asks how you want to display the results.

You may choose up to two "cross variables," that define the rows and columns in your results table.

Current birth (default = all resident births)

Geographic area (default = all Local Health Districts)

Display the results

Options listed below. Regardless of what is selected, a standard table will be presented, as well as some meta data that describes the data sources, data

Both the "Row Values" and "Column Values" are selected, then a two dimensional table will be presented.

Column Values Displayed By:

Year

Row Values Displayed By:

Mother's Age Group

Percentage of Low Birth Weight Infants

Optional Graphic Type


- None
- None
- Grouped Bar
- Grouped Horizontal Bar
- Stacked Bar
- Area
- Stacked Area
- Pie
- Line Scatter

Finish: Submit the default

Submit

You also have the option to select a graph type.

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IBIS-Q Query Submission/Confirmation - Mozilla Firefox

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Query Confirmation

Please review your selections. If they are correct, click the proceed button at the bottom of this page. If they are not correct, click the modify query button. Once the proceed button is clicked, the query will be submitted and the results will be displayed. This process may take several minutes, depending on the number of records returned.

Get Query Results

Modify Query

Query Item	Description / Value
Navigation Path	IBIS-PH > Custom Query > Birth Query Module for Utah Counties and Indian Reservations > Percentage of Low Birth Weight
Module	Birth Query Module for Utah Counties and Indian Reservations
Measure	Percentage of Low Birth Weight

Step 1: Select year

Year Filter

2001, 2002, 2003

Step 2: Select mother characteristics

No Filter

Using all values

Step 3: Select infant characteristics

No Filter

Using all values

Step 4: Select health care system characteristics

No Filter

Using all values

Step 5: Select resident or occurrent birth

Residence Filter

All births to Utah resident mothers regardless of where they occurred.

Step 6: Select mother's geographic area

No Filter

Using all values


Step 7: Select how to display the results

The Query Confirmation page lets you review your selections, and go back and change them if you'd like.

Note that you have to press the "Get Query Results" button if you did not select the "Automatically submit query" option on query-builder page.

IBIS-Q Birth Query Module for Utah Counties and Local Health Districts Query Results - Mozilla Firefox

File Edit View Go Bookmarks Tools Help



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Query Results for Birth Query Module for Utah Counties and Local Health Districts

Query Definition

Query Item	Description / Value
Navigation Path	IBIS-PH > Custom Query > Birth & Infant Death > Birth Data > Birth Query Module for Utah Counties and Local Health Districts > Infant Birth Weight > Percentage of Low Birth Weight Infants (<2500 grams)
Module	Birth Query Module for Utah Counties and Local Health Districts
Measure	Percentage of Low Birth Weight Infants (<2500 grams)
Time of Query	Fri, Jan 14, 2005 8:11 AM, MST
Year Filter	2003
Residence Filter	All births to Utah resident mothers regardless of where they occurred.
Data grouped by	Mother's Age Group, Year

Result Options

Modify Query

Start New Query

Output to Excel


Show XML

Graphic

Horizontal Bar

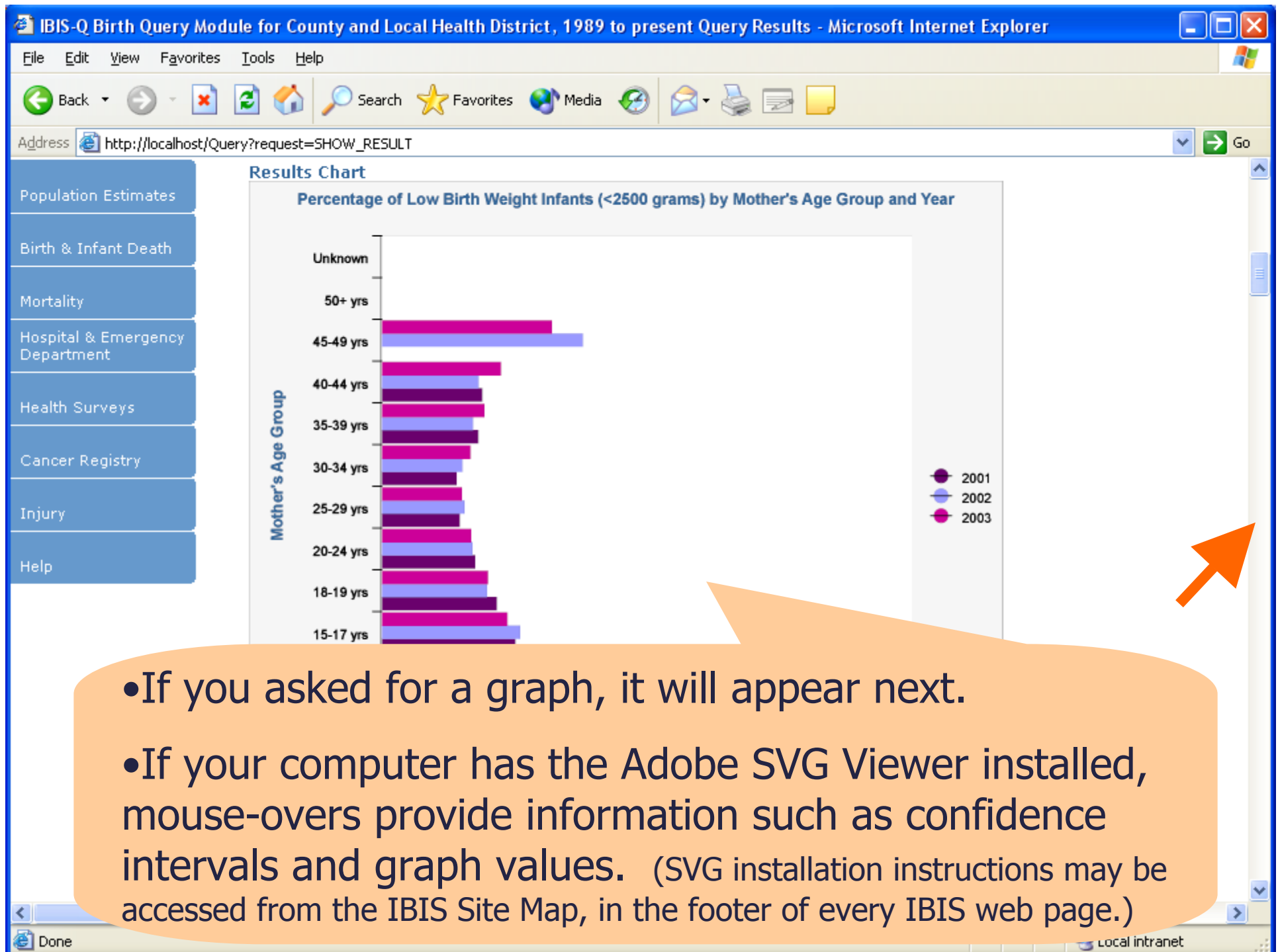
Results Chart

Percentage of Low Birth Weight Infants (<2500 grams) by Mother's Age Group and Year



Mother's Age Group	Percentage
Unknown	~1%
50+ yrs	~15%
45-49 yrs	~25%

Your selections are documented at the top of the results page.



- If you selected two cross-variables, you will see a 2-dimensional table with the row and column groups you selected.
- Asterisks in the table indicate when data are too sparse to provide a reliable estimate.

Data Table of Percentage of Low Birth Weight Infants (<2500 grams) by Year and Mother's Age Group

	Year			
Mother's Age Group	<u>2001</u>	<u>2002</u>	<u>2003</u>	Total
<u>Under 15 yrs</u>	*	15.15%	*	8.99%
<u>15-17 yrs</u>	10.04%	10.42%	9.46%	9.99%
<u>18-19 yrs</u>	8.65%	7.94%	8.01%	8.22%
<u>20-24 yrs</u>	7.04%	6.82%	6.73%	6.86%
<u>25-29 yrs</u>	5.85%	6.23%	6.02%	6.04%
<u>30-34 yrs</u>	5.62%	6.06%	6.69%	6.14%
<u>35-39 yrs</u>	7.26%	6.86%	7.73%	7.28%
<u>40-44 yrs</u>	7.56%	7.28%	8.98%	7.97%
<u>45-49 yrs</u>	*	15.15%	12.82%	*
<u>50+ yrs</u>		*	*	*
<u>Unknown</u>	*	*	*	*
Total	6.58%	6.64%	6.71%	6.64%



The data list table provides detailed information for each subgroup you selected.

IBIS-Q Birth Query Module for County and Local Health District

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Address http://localhost/Query?request=SHOW_RESULT

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Data List

Mother's Age Group	Year	Number of Low Birth Weight Infants (<2500 grams)	Number of Live Births	Percentage of Low Birth Weight Infants (<2500 grams)	95% CI LL	95% CI UL
All	All	9,759	146,889	6.64%	6.52%	6.77%
All	2001	3,155	47,915	6.58%	6.36%	6.81%
All	2002	3,261	49,140	6.64%	6.42%	6.86%
All	2003	3,343	49,834	6.71%	6.49%	6.93%
Under 15 yrs	All	8	89	8.99%	4.31%	17.50%
Under 15 yrs	2001	**	31	*	0.32%	18.63%
Under 15 yrs	2002	5	33	15.15%	6.09%	33.01%
Under 15 yrs	2003	**	25	*	1.76%	27.80%
15-17 yrs	All	300	3,004	9.99%	8.95%	11.13%
15-17 yrs	2001	109	1,086	10.04%	8.35%	12.02%
15-17 yrs	2002	104	998	10.42%	8.63%	12.53%
15-17 yrs	2003	87	920	9.46%	7.68%	11.58%
18-19 yrs	All	638	7,763	8.22%	7.62%	8.86%

Done Local intranet

IBIS-Q Birth Query Module for County and Local Health District, 1989 to present Query Results - Microsoft Internet Explorer

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yrs	2001	52	600	7.50%	5.75%	9.00%
40-44 yrs	2002	53	728	7.28%	5.55%	9.48%
40-44 yrs	2003	69	768	8.98%	7.11%	11.29%
45-49 yrs	All	**				
45-49 yrs	2001	**				
45-49 yrs	2002	5				
45-49 yrs	2003	5			5.09%	28.47%
50+ yrs	All	**		*	*	*
50+ yrs	2002	**		*	*	*
50+ yrs	2003	**	2	*	0.00%	126.95%
Unknown	All	**	9	*	2.06%	50.44%
Unknown	2001		4	*	*	*
Unknown	2002	**	3	*	*	*
Unknown	2003	**	2	*	*	*

Record Count: 47

Data Sources

Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health

Data Issues

Birth certificates are filed electronically by hospital birth certificate clerks. The information comes from a variety of sources including a worksheet the mother fills out, the mother's prenatal record, and the delivery record. The Office of Vital Records and Statistics has a Quality Control program where every hospital is audited annually. Births are randomly selected and hospital records are checked to verify the accuracy of the reported information.

Done

Local intranet

Meta data (information about the data) are provided at the bottom of the results page.